CHAPTER IV: TRANSPORTATION & INFRASTRUCTURE



Wonder Parkway



Vance Jackson corridor

This chapter contains goals and objectives related to improving the transportation network and conditions of the area. Emphasis is placed on street and sidewalk improvements, upgrading the area's bicycle and pedestrian conditions, and improving transit and drainage situations.



Goal 8: Transportation Network

Provide a safe and efficient transportation network that allows for a broad range of transportation options, including well-designed automobile, public transit, pedestrian, and bicycle routes

Objective 8.1: Traffic Management

Improve the safety and efficiency of traffic flow in the community through traffic management improvements

Action Steps

8.1.1 Advocate for traffic management improvements on Vance Jackson between IH-10 and Denton to reduce congestion

- Petition City Councilperson and the City of San Antonio (COSA)
 Public Works Department for a traffic signal corridor timing
 optimization project on Vance Jackson; discuss with the Texas
 Department of Transportation (TxDOT) updating traffic signals to
 interface with City signals
- Petition City Councilperson for the programming of traffic management improvements as part of the Advanced Transportation District (ATD)

Timeline: Mid (3 - 5 years)

Lead Partner: Transportation and Infrastructure

Committee

Proposed Partnerships: City Councilperson, COSA Public Works,

VIA Metro Transit, TxDOT

Proposed Funding Sources: Public Funding (ATD, General Fund)



Traffic on Vance Jackson at IH-10

8.1.2 Explore possibility of a "roundabout" or realignment of the Basse/Blanco Road intersection

 Discuss with COSA Public Works and businesses located at the intersection the feasibility of installing a roundabout at this intersection or possibly realigning it to improve traffic flow; include discussion of right-of-way issues Petition City Councilperson for the programming of these improvements as part of the ATD if applicable

Timeline: Long (Over 5 years)

Lead Partner: Transportation Committee

Proposed Partnerships: City Councilperson, COSA Public Works
Proposed Funding Sources: Public Funding (ATD, General Fund)

8.1.3 Identify additional major intersections and corridors needing traffic management improvements

- Using the Community Issues Transportation & Infrastructure Map in this document as a starting point, identify
 and prioritize traffic management improvement needs (left turn signals, turning lanes, medians, signal timing, etc.),
 if warranted, at congested corridors and intersections
- Discuss traffic management improvement priorities with area City Councilperson and the area's Capital Improvement Projects (CIP) Officer and Traffic Engineer in COSA Public Works, including using ATD funding for applicable non-funded priority projects
- Discuss with TxDOT updating traffic signals to interface with City signals

Timeline: Mid (3 - 5 years)

Lead Partner: Transportation and Infrastructure Committee

Proposed Partnerships: City Councilperson, COSA Public Works, TxDOT

Proposed Funding Sources: Public Funding (ATD, General Fund)

8.1.4 Promote shared access amongst commercial land uses

- Utilizing the City's courtesy Plan Implementation Team rezoning notification process, monitor proposed new commercial and commercial rehabilitation projects in the community
- Coordinate with the Economic Development Committee to encourage the inclusion of shared access and parking in these commercial development projects

Timeline: Short (1 - 2 years) and Ongoing Lead Partner: Transportation Committee

Proposed Partnerships: Economic Development Committee, Planning Area Businesses, COSA Development Services

Proposed Funding Sources: Minimal/Volunteer



8.1.5 Identify and address residential streets experiencing substantial "cut-through" traffic

- Using the Community Issues Transportation & Infrastructure and Capital Improvement Projects Maps in this
 document as a starting point, identify and prioritize residential streets that residents feel need traffic-calming
 projects, such as La Manda, Nassau, and El Monte
- Utilizing the Neighborhood Traffic Manual (when finished) work with COSA Public Works to identify possible traffic calming treatments for the area
- Petition COSA Pubic Works (using 311 and on-line forms) for traffic-calming projects on priority streets
- Discuss traffic-calming needs with area City Councilperson and the area's CIP Officer and Traffic Engineer, including funding sources for priority projects

Timeline: Mid (3 - 5 years)

Lead Partner: Transportation Committee

Proposed Partnerships: City Councilperson, COSA Public Works

Proposed Funding Sources Public Funding (General Fund)

8.1.6 Work to control speeding on community streets

- Based on the Community Issues Transportation & Infrastructure Map and community input, identify and prioritize streets with significant speeding issues, such as Basse Road
- Discuss with SAFFE Officers the possibility of utilizing existing and acquiring new mobile speed detector trailers for use in the community
- Dialogue with San Antonio Police Department (SAPD) and SAFFE Officers concerning the feasibility of increased traffic patrols during peak hours at priority traffic locations

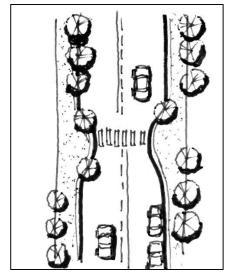
Timeline: Immediate and Ongoing

Lead Partner: Transportation and Infrastructure Committee

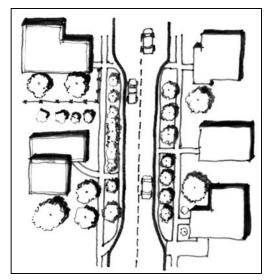
Proposed Partnerships: SAPD, SAFFE

Proposed Funding Sources: Minimal/Volunteer, Public Funding (for Mobile Speed Detector Trailers)

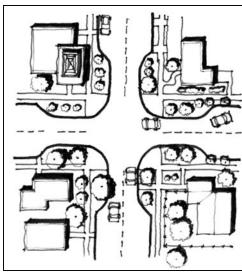
Examples of Traffic Calming Techniques



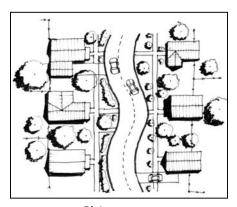
Mid-block Flare



Choker



Intersection Bulb-out



Chicane



Traffic Circle



Speed Humps with Median



8.1.7 Explore installing crossing gates at railroad crossings

- Installing crossing gates is decision made by TxDOT, based on yearly analysis of traffic at intersections.
- Using the Community Issues Transportation & Infrastructure Map as a starting point, identify railroad crossings in need of crossing gates, such as at San Francisco
- Coordinate with TxDOT, Union Pacific, City Councilperson, and COSA Public Works to fund crossing gate installation at these locations

Timeline: Mid (3 - 5 years)

Lead Partner: Transportation and Infrastructure Committee Proposed Partnerships: TxDOT, Union Pacific, City Councilperson,

COSA Public Works

Proposed Funding Sources: Public Funding (Union Pacific, COSA General Fund, Section 130 Funds or similar Federal

Programs)



Railroad crossing with no crossing gates in the Planning Area

Objective 8.2: Bicycle and Pedestrian Network

Create a bicycle and pedestrian-friendly community through improved pedestrian and bicycle amenities that include safe and efficient routes connecting residential areas with schools, parks, transit stops and commercial development

Action Steps:

8.2.1 Identify potential bicycle network projects in the community

- Survey residents concerning priority bicycling enhancements in the community, including bike lanes, routes, and paths
- Review the San Antonio Bexar County Metropolitan Planning Organization's (MPO) Bicycle Master Plan and identify community priorities not included in the plan
- Attend MPO Bicycle Mobility Advisory Committee meetings to petition for the inclusion of community bicycling project priorities in the Bicycle Master Plan

Discuss with City Councilperson funding sources and prioritization of bicycle network improvement projects

Timeline: Short (1 - 2 years)

Lead Partner: Transportation Committee

Proposed Partnerships: City Councilperson, MPO Bicycle Mobility Advisory Committee, COSA Public Works

Proposed Funding Sources: Public Funding (General Fund, MPO)

8.2.2 Monitor all capital improvement projects and new private development in the community for consistency with the Bicycle Master Plan

- Advocate with the City Councilperson's office and COSA Public Works that all applicable capital improvement
 projects in the community include the bicycle enhancements called for in the Bicycle Master Plan
- Monitor new development proposals along Vance Jackson, West Avenue, Basse Road, Fresno Street, Hildebrand Avenue, and Jackson-Keller Road, and advocate that new development include the bicycle enhancements called for in the Bicycle Master Plan

Timeline: Immediate and Ongoing

Lead Partner: Transportation and Infrastructure Committee
Proposed Partnerships: City Councilperson, COSA Public Works

Proposed Funding Sources: Minimal/Volunteer

8.2.3 Conduct a detailed survey identifying new sidewalk and sidewalk repair needs

- Devise a survey to evaluate community sidewalk needs (both repairs and new sidewalks), focusing special attention on sidewalk routes that link residential areas to schools, parks, transit, and commercial development such Vance Jackson, Jackson-Keller, and El Monte Boulevard
- Use the sidewalk needs evaluation together with data from the Community Issues - Transportation and Infrastructure Map to prioritize sidewalk projects



Sidewalk in need of repair



Example of a good sidewalk in the Planning Area





BEFORE



AFTER

Pedestrian Network Improvements

In keeping with Action Step 8.2.3, sidewalks in the Planning Area should be targeted to improve access to transit stops and neighborhood commercial uses, particularly along well-traveled corridors. These photos and illustrations from the Planning Area provide examples of sidewalk improvements, buried utilities, monument signage, and bus shelters.





BEFORE

AFTER

- Discuss evaluation results with City Councilperson and the area's CIP Officer, including the possibility of using CIP and Neighborhood Access and Mobility Program (NAMP) funding for priority projects
- Coordinate with COSA Public Works' Disability Access Office to make sure new sidewalks are compliant with the Americans with Disabilities Act (ADA)
- Discuss with the COSA Neighborhood Action the possibility of establishing a Neighborhood Improvement District (NID), a private funding mechanism where a neighborhood or community raises its own funds to fund projects only with the community



ADA compliant sidewalk in the Planning Area

Timeline: Long (Over 5 years)

Lead Partner: Transportation and Infrastructure Committee

Proposed Partnerships: City Councilperson, COSA Public Works (especially CIP Officer and Disability Access Office),

COSA Neighborhood Action

Proposed Funding Sources: Public funding (CIP Funds, NAMP Funds, General Fund); Private Funding (NID)

8.2.4 Plant shade trees along sidewalks and other pedestrian routes

- Along the priority sidewalk routes identified in 1.2.3, identify areas with potential for tree plantings
- Coordinate with COSA Public Works, the City Arborist (COSA Development Services) and property owners within these areas to create a plan for tree placement
- Explore coordinating with the Alamo Forest Partnership on tree plantings
 free trees are given out on Arbor Day and Public Lands Education Day

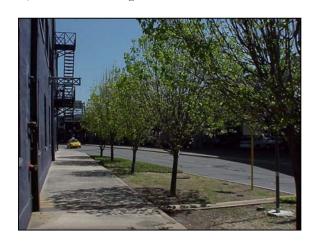
Timeline: Mid (3 - 5 years)

Lead Partner: Transportation and Infrastructure Committee
Proposed Partnerships: COSA Public Works, COSA Development Services-

City Arborist, Affected Property Owners, Alamo

Forest Partnership

Proposed Funding Sources: Minimal/Volunteer (Trees are Donated)



Sidewalk shade trees



8.2.5 Encourage area school principals in the community to apply for "Safe Routes to Schools" workshops

- "Safe Routes to Schools" workshops, a partnership between school districts and the MPO, involve identifying pedestrian routes around schools that need sidewalks, sidewalk repair, or other pedestrian amenities so that all students have a safe pedestrian route to their school
- The end product of the workshop is a pedestrian network plan for the school and its surrounding area that is sent
 to all transportation agencies in the City
- Additionally, the TxDOT allots funding every year for "Safe Routes to Schools" project implementation and the community can use its "Safe Routes to Schools" plan to apply for this funding

Timeline: Short (1-2 years)

Lead Partner: Transportation and Infrastructure Committee

Proposed Partnerships: San Antonio Independent School District (SAISD) and Northeast Independent School District

(NEISD) schools, MPO, TxDOT, COSA Public Works

Proposed Funding Sources: Minimal/Volunteer

8.2.6 Improve railroad/pedestrian safety and allow for easier pedestrian access over railroad tracks that cross important pedestrian routes (i.e. sidewalks on major arterials)

- Identify important pedestrian route railroad crossings in the community
- Contact COSA Public Works' Disability Access Office and Union Pacific to determine protocol for sidewalk
 installation at railroad crossings and ensure this protocol is followed on community sidewalks

Timeline: Short (1 - 2 years)

Lead Partner: Transportation and Infrastructure Committee

Proposed Partnerships: COSA Public Works, Union Pacific

Proposed Funding Sources: Public Funding for Crossing Improvements (Union Pacific, COSA General Fund)

8.2.7 Enhance pedestrian and bicycle amenities along Wonder Parkway

- Possible amenities include bike lanes, sidewalks/walking trails, lighting, trees, and benches
- Discuss with City Councilperson and Public Works about using NAMP, Transportation Improvement Program (TIP), and other funding sources for these amenities

Wonder Parkway Enhancements

As discussed in Action Step 8.2.7, the photos and illustrations below indicate one concept of Wonder Parkway enhancements including aesthetic, pedestrian, bicycle, and lighting amenities.





BEFORE AFTER



 Advocate with the MPO Bicycle Mobility Advisory Committee and COSA Public Works for consideration of a bike lane on Wonder Parkway

Timeline: Mid (3 - 5 years) to Long (over 5 years)

Lead Partner: Transportation and Infrastructure Committee
Proposed Partnerships: City Councilperson, COSA Public Works, MPO
Proposed Funding Sources: Public Funding (NAMP, General Fund, TIP)

Objective 8.3: Public Transit

Enhance the convenience and availability of public transit in the community

Action Steps:

- 8.3.1 Work with VIA Metro Transit to stay informed concerning changes in service and proposed projects in the area
 - Obtain a copy of VIA Metro Transit's Ten-Year Plan
 - Attend the VIA Metro Transit Board of Trustees monthly public meetings (fourth Tuesday of every month)
 - Monitor VIA Metro Transit website for public meeting announcements dealing with issues that affect the community
 - Invite representatives from VIA Metro Transit to Planning Area Neighborhood Association and other community meetings to address community concerns
 - Attend public meetings for the annual update of the Ten-Year Plan

Timeline: Immediate and Ongoing

Lead Partner: Transportation and Infrastructure Committee

Proposed Partnerships: VIA Metro Transit
Proposed Funding Sources: Minimal/Volunteer

- 8.3.2 Advocate for additional and more convenient VIA Metro Transit bus routes and more frequent bus service
 - Survey community transit riders concerning priority routing and bus service concerns, including additional
 east/west bus routes in the planning area



- Contact VIA Metro Transit's planning department to discuss reconciling these concerns with the existing service plan through the implementation of new routes and service
- Advocate for these routes at VIA Metro Transit's public meetings

Timeline: Short (1 - 2 years) and Ongoing

Lead Partner: Transportation and Infrastructure Committee

Proposed Partnerships: VIA Metro Transit
Proposed Funding Sources: Minimal/Volunteer

8.3.3 Improve the quantity and quality of bus shelters in the community

- Community members have identified bus shelter needs at the following locations:
 - o Blanco Road at Basse
 - West Avenue at Nassau
 - Vance Jackson at Freiling; across from Walmart; at La Manda; and at the northwest corner of the Vance Jackson/IH-10 intersection
- Survey community transit riders concerning stops in need of bus shelters and high-usage stops needing larger shelters
- Investigate boarding counts at these stops and prioritize bus shelter needs based on VIA Metro Transit's standards
- Advocate for these shelters with the VIA Metro Transit planning department and Board of Trustees

Timeline: Short (1 –2 years)

Lead Partner: Transportation and Infrastructure Committee

Proposed Partnerships: VIA Metro Transit

Proposed Funding Sources: Public Funding (VIA Metro Transit, ATD)



Bus stop on Vance Jackson without a shelter



Bus shelter in the Planning Area

8.3.4 Dialogue with VIA Metro Transit and COSA Public Works on methods of limiting the effects of transit on traffic and road conditions

 Discuss with VIA Metro Transit and COSA Public Works the feasibility of bus lanes, bumpouts, and other methods of limiting bus impacts on traffic



- Explore concrete pads at bus stops and other methods of limiting street deterioration due to busses
- Advocate with City Councilperson for Local Assistance Program (LAP) funding a program of VIA Metro Transit
 that provides local municipalities with funding for street maintenance and infrastructure projects that enhance
 transit corridors

Timeline: Mid (3 - 5 years)

Lead Partner: Transportation and Infrastructure Committee

Proposed Partnerships: VIA Metro Transit, COSA Public Works, City Councilperson

Proposed Funding Sources: Public Funding (COSA General Fund, LAP)

8.3.5 Explore the possibility of decreasing the 24-hour pre-notification period for VIAtrans (complementary paratransit service for the disabled)

 Advocate to the VIA Board of Trustees at their monthly meeting (fourth Tuesday of every month) for a reduction in the VIAtrans pre-notification period

Timeline: Immediate and Ongoing

Lead Partner: Transportation and Infrastructure Committee

Proposed Partnerships: VIA Metro Transit
Proposed Funding Sources: Minimal/Volunteer



VIAtrans vehicle

Goal 9: Infrastructure

Enhance the beauty, safety, and convenience of the community through improvements to basic infrastructure

Objective 9.1: Street Maintenance and Improvements

Create safe and pleasant community streets through street maintenance and enhancement projects

Action Steps

9.1.1 Continually monitor progress on the City's Street Maintenance Programs

• The Street Maintenance Program is based on several factors, including but not limited to a scientific index of pavement condition (Pavement Management System), resource availability, and the discretion of City Council

- Annually monitor progress on the Street Maintenance Program (the current Street Maintenance Program for the Planning Area is included in this document) to ensure timely phasing and completion of projects
- Dialogue with the area's CIP Officer and the City Councilperson to ensure the timely start and completion of programmed Street Maintenance Projects
- Obtain an annual update of the 5-Year Street Maintenance Program from COSA Public Works (available at their website)

Timeline: Immediate and Ongoing

Lead Partner: Transportation and Infrastructure Subcommittee

Proposed Partnerships: City Councilperson, COSA Public Works

Proposed Funding Sources: Minimal/Volunteer



Planning Area street in need of maintenance

9.1.2 Encourage residents to report urgent street repair needs by calling 311

- Invite officials from the Street Maintenance Division of COSA Public Works to speak at Planning Area Neighborhood Association meetings concerning proper terminology and procedure to use when reporting street repair needs to 311
- Through Planning Area Neighborhood Association meetings and literature distribution, encourage residents to call
 311 to report potholes and other urgent street repair needs

Timeline: Immediate and Ongoing

Lead Partner: Transportation and Infrastructure Subcommittee

Proposed Partnerships: COSA Public Works, Planning Area Neighborhood Associations, COSA External Relations -

Customer Service

Proposed Funding Sources: Minimal/Volunteer

9.1.3 Enhance the Basse Road median with trees and landscaping

- Coordinate with COSA Public Works and the City Arborist within to create a landscaping plan for the median
- Explore coordinating with the Alamo Forest Partnership on tree plantings free trees are given out on Arbor Day and Public Lands Education Day



Basse Road Landscaping

In keeping with Action Step 9.1.3, the photos and illustrations below provide one example of an improvement to the Basse Road median that includes trees and buried utilities.





BEFORE AFTER

Coordinate with Keep San Antonio Beautiful on the acquisition and planting of trees and landscaping

Timeline: Short (1 – 2 years)

Lead Partner: Transportation and Infrastructure Subcommittee

Proposed Partnerships: COSA Public Works, COSA Development Services - City Arborist, Alamo Forest Partnership,

Keep San Antonio Beautiful

Proposed Funding Sources: Minimal/Volunteer

9.1.4 Encourage implementation of the Camino Verde Project, a landscape and aesthetics master plan for San Antonio's highways

- Work with TxDOT, City Councilperson, and State Representative to fund and implement the proposed enhancement projects found in the Camino Verde Project master plan, especially those projects that affect the portions of IH-10 and IH-410 that border the Planning Area
- When projects are implemented, participate in TxDOT public meetings to provide community input in the design of these projects

Timeline: Mid (3 - 5 years)

Lead Partner: Transportation and Infrastructure Committee

Proposed Partnerships: TxDOT, COSA Public Works, City Councilperson, State Representative Proposed Funding Sources: Minimal/Volunteer, Public Funding (TxDOT) for Camino Verde Project

Objective 9.2: Drainage

Reduce street flooding in the community by improving drainage

Action Steps

9.2.1 Monitor current drainage projects within the community and related projects outside of the community

 Maintain a regular dialogue with the area's assigned CIP Officer and the Storm Water Utility's San Antonio Watershed Team Engineer

Timeline: Immediate and Ongoing

Lead Partner: Transportation and Infrastructure Committee

Proposed Partnerships: COSA Public Works
Proposed Funding Sources: Minimal/Volunteer



9.2.2 Advocate for drainage related capital improvement projects for the community

- Using the Community Issues Transportation and Infrastructure Map as a starting point, assess storm sewer inlets
 and drainage flow in areas identified by the community as experiencing drainage problems such as portions of
 Vance Jackson and the La Manda/San Angelo area
- Use the Capital Improvement Projects Map to identify currently proposed (but non-funded) drainage projects and petition City Councilperson for the funding of these projects
- Identify drainage improvement needs that are currently missing from the City's proposed drainage projects for the
 area and work with COSA Public Works Storm Water Utility to identify potential remediation projects, such as
 underground drainage channels, in problematic areas
- Petition City Councilperson for the funding of these projects

Timeline: Long (Over 5 years)

Lead Partner: Transportation and Infrastructure Committee Proposed Partnerships: City Councilperson, COSA Public Works

Proposed Funding Sources: Public Funding (General Fund)

9.2.3 Ensure that the current drainage system receives regular maintenance and remains clean and unobstructed

Report drainage obstructions and other problems to 311

Notify Storm Water Utility Operations concerning particularly problematic system areas

Timeline: Immediate and Ongoing

Lead Partner: Transportation and Infrastructure Committee

Proposed Partnerships: COSA Public Works, COSA External Relations - Customer Service

Proposed Funding Sources: Minimal/Volunteer

Objective 9.3: Utility Improvements

Enhance neighborhood environments through improvements to the utility network

Action Steps:

9.3.1 Work to improve street lighting conditions

- Using the Community Issues Transportation & Infrastructure Map as a starting point, inventory streets to identify where additional street lighting is needed, such as at Cherry Ridge Drive and at Alhambra
- Contact the Street Lighting representative in COSA Development Services to request additional streetlights
- Street light requests for intersections are typically granted without any necessary further actions
- For mid-block street light requests that qualify (block must be over 600 feet in length) a petition form will be sent to the person making the request signatures are required from all neighbors residing adjacent to the proposed location of the street light



Installation of a street light

Timeline: Short (1 - 2 years)

Lead Partner: Transportation and Infrastructure Committee

Proposed Partnerships: COSA Development Services

Proposed Funding Sources: Public Funding

9.3.2 Explore converting above ground electrical utilities to an underground network to help beautify the neighborhood and remove utility pole obstructions in sidewalks

- Inventory community streets to identify priority streets for underground conversion projects
- Work with COSA Economic Development to explore the possibility of using CPS Community Infrastructure and Economic Development (CIED) funding for priority projects in the community

Timeline: Short (1 - 2 years)

Lead Partner: Transportation and Infrastructure Committee
Proposed Partnerships: City Councilperson, CPS, COSA Public Works

Proposed Funding Sources: Public Funding



